dehydration (no isomerization) of cyclohexanol. Orig. art. has: 4 tables and 2 figures ASSOCIATION: Moskovskiy gosudarstvenny*y universitet im. M. V. Lomonosova			
SUBMITTED: 12Mar64	ENCL: 00		
SUB CODE: IC, MT	NO REF SOV: 010	OTHER: 000	

69872

sov/35-59-9-7412

Translation from: Referativnyy zhurnal, Astronomiya i Geodeziya, 1959, Nr 9, p 86 (USSR)

Sosnina, M.A. AUTHOR:

On the Compensation Method of Controlling Big Aspherical Mirrors

Izv. Gl. astron. observ. v Pulkove, 1958, Vol 21, Nr 3, pp 137 - 148 TITLE: PERIODICAL:

(Engl. résumé)

For the examination of big aspherical mirrors, the existing methods of controlling the shape of the surface are either expensive and labour con-ABSTRACT:

suming (e.g. the study of the parabola by Foucault's method requires two additional mirrors of the same diameter) or completely unsuitable as it happens in the case of aplanatic systems. The compensation method with mirror compensators of a spherical and ellipsoidal shape suggested by D.D. Maksutov in 1924 is described. Formulae are derived with allowances for the aberration of the third order. Tables are given for the various values of the relative apertures A (1:3, 1:4, 1:5), various eccentricities of the main mirror ($e^2 = +2.0$, +1.5, +1.0, +0.5) and the various positions

of the auxiliary mirror &, which allow a quick determination of the exact value of the radius of the main mirror. An examination has been carried out

Card 1/2

SOSNINA, M.A., Cand Phys Math Sci — (diss) "Elaboration of a method of compensation for the control of the aspherical mirrors of large telescopes." Len, 1959, 9 pp (Acad Sci USSR. Main Astronomical Observatory) 150 copies (KL, 35-59, 111)

- 9 -

s/035/62/000/012/028/064 A001/A101

3,1220

Belorossova, T. S., Maksutov, D. D., Merman, N. V., Sosnina, M. A.

AUTHORS:

Comparison of three types of mirror-lens systems; meniscus,

TITLE:

Richter-Slevogt and Schmidt

PERIODICAL:

Referativnyy zhurnal, Astronomiya i Geodeziya, no. 12, 1962, 75, abstract 12A561 ("Izv. Gl. astron. observ. v Fulkove", 1961, v.22,

no. 4, 114 - 122, English summary)

The results of comparing three types of mirror-lens systems: meniscus, Richter-Slevogt and Schmidt, are presented. The comparison was conducted at a diameter of the entrance aperture D=1000 mm for three aperture ratios: 1:2; 1:3 and 1:4. The systems are achromatized and corrected for spherical aberration and coma. All investigated systems have been trigonometrically calculated in an exact way with the purpose of a rigorous study and comparison of aberrations caused by them. Adopted tolerances for aberration do not exceed 20 μ . The comparison method is described in detail. The tables and graphs show the results of comparison of the systems in respect to effective field of view, length of

Card 1/2

BELOROSSOVA, T.S.; MERMAN, N.V.; SOSNINA, M.A.

A new mirror-lens objective. Astron.zhur. 39 no.2:330-334
Mr-Ap '62. (MIRA 15:3)

1. Glavnaya astronomicheskaya observatoriya AN SSSR.
(Lenses) (Telescope, Reflecting)

Delete Fakka B. .. Hishall, N.T.; Mishina, M.A.

Vilwangle telesucys with a large drameter and hish Hight-gethering
(ver. lzv. GAD 2) no.5:162-166 (ez.

(MIRA 17:11)

USSR / Cultivated Plants. Commercial. Oil-Bearing. M - 5Sugar-Bearing.

Abs Jour: Ref Zhur-Biol., No 6, 1958, 25126

: Kosooutskiy, M.I., Sosnina, M.A. Author

: Uzbek Agricultural Inst.

: Biological Factors Effecting Cotton Shoot Dying Inst Title

and Their Control

Orig Pub: Nauchn. tr. Uzb. s.kh. in-ta, 1956, 9, ch.1,

87-96

Abstract: Investigations made under production conditions in Samarkandskaya Oblast' in 1951-1954 has made it possible to bring to light 48 species of invertebrate and vertebrate animals and fungi which to one degre.e or another influence the destruction of germinating seeds and shoots of cotton until its budding. Dur. ing cotton's first developmental period with an

Card 1/2

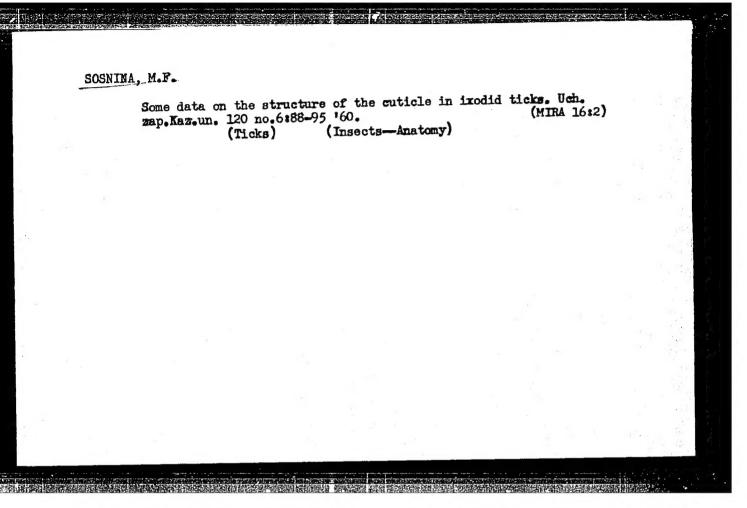
108

ARPROYED, FOR RELEASE: 08/23/120001a1 CIAL-RDP86100513R051652530001-8" Sugar-Bearing.

Abs Jour: Ref Zhur-Biol., No 6, 1958, 25126

Abstract: average of 53% destruction of the seedlings the most dangerous destructive agents were nematodes, root mites, may beetles and wire worms. During the second period (from sprouts to the formation of the 5th leaf) with an average shoot destruction of 19.5%, nematodes, root mites and stem borers were most harmful. During the period from the fifth leaf to oudding (thinning out by 7.5%) nematodes, root mites, stem borers, aphids, grasshoppers and cicadas were the most dangerous pests. The application of organic synthetic preparations cut shoot loss by 32-74%. Pre-planting dusting of cotton seeds with DDT (50-60 kg.) and hexachloro cyclohexane (80-100 kg. per 1 t. of seeds) had a strong effect and should be as obligatory measure as treating seeds with fugnicide. -- A.M. Smirnov

Card 2/2



20-118-6-33/43

AUTHORS:

Zhamoyda, A. I., Podgornaya, N. S., Sosnina, M. I.

TITLE:

On the Lower Carboniferous Sediments of the Sikhote-Alin' Mountains (Hydrographical Area of the Avvakumovka -River) (O nizhnekamennougol'nykh otlozheniyakh Sikhote-Alinya

(basseyn r. Avvakumovki)

PERIODICAL:

Doklady Akademii Nauk SSSR, 1958, Vol. 118, Nr 6, pp. 1166-1168 (USSR)

ABSTRACT:

Since faunae were found for the first time in the chalks of these mountains (1932), the age of the two found species Productus ex gr. giganteus Mart. and Reticularia has not been determined precisely and has been designated as Permo-Carboniferous. Foraminifers which were found later, made the occurrences of the Lower Carboniferous time in the Primor'ye appear to be doubtful (references 1,2). The authors succeeded in determining foraminifers of the Visean age in chalks of the Skalistyy-spring (right affluent of the Avvakumovka), and in collecting further material and investigating the stratigraphic cross-section of the corresponding sediments. The latter form - with respect to structure - a southeastward

Card 1/4

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00543R001652530001-8" On the Lower Carboniferous Sediments of the Sikhote-Alin Mountains (Hydrographical Area of the Avvakumovka - River)

> overturned anticlinal fold with a north-eastern direction of strata. It is complicated by some secondary folds and covered by basal conglomerates of the Middle Carboniferous. The authors propose the term Skalistaya -suite (according to the name of the spring) for these sediments. It is clearly subdivided into 2 concordantly situated substrata. The lower substratum is characterized by a lithological "variety" and has a total thickness of 300 to 350 m. It contains 12 layers of rock 5 to 75 m thick. A foraminiferous fauna of 38 species and subspecies was determined in an intermediate layer of chalk. This foraminiferous complex has a distinctly marked Lower Carboniferous feature. Most of the species are widely spread in the Upper-Visean deposits of the Russkaya -plateau of the Ural, Central -Kazakhstan and Srednyaya Aziya. These sediments correspond most exactly to the Serpukhovskiy and partly to the Okskiy substage of the unified scheme of carboniferous sediments of the European part of the USSR. The upper Skalistaya substratum is approximately 700 m thick. A layer

Card 2/4

20-118-6-33/43 On the Lower Carboniferous Sediments of the Sikhote-Alin' Mountains (Hydrographical Area of the Avvakumovka-River)

ASSOCIATION: All-Union Scientific Geological Research Institute

(Vsesoyuznyy nauchno-issledovatel'skiy geologicheskiy

institut)

August 5, 1957, by D. V. Nalivkin, Member of the Academy PRESENTED:

SUBMITTEL: July 31, 1957

Card 4/4

YELLISEYEVA, V.K.; SOSNINA, M.I.

Find of Upper Permian sediments in Sakhalin. Geol. i geofiz. no.10: (MIRA 18:4)

1. Vsesoyuznyy nauchno-issledovatel skiy geologicheskiy institut, Leningrad.

SOSNINA, M.I.; ZHAMGYDA, A.I.; SOKOLOV, R.I.; PODGORNAYA, N.S.

Paleozolc sediments of the massif of the Zarod Mountain (Maritime Territory). Trudy VSEGEI 93:153-159 '64. (MIRA 18:7)

L 53614-65 EWT(m)/EWP(t)/EWP(b) IJP(c) JD OR/0065/65/000/005/0058/0060 ECCESSION NR: AP5011694 543.211655.521.5	
AUTHORS: Sosmina, N. P.; Tarasov, A. I.; Muzychenko, V. P.	
TITLE: Determination of zinc and lead in additives and in oils containing additives	
SOURCE: Khimiya i tekhnologiya topliv i masel, no. 5, 1965, 58-60	
TOPIC TAGS: zinc, lead, adsorption, anionite, lubricant, lubricant additive, oil, chromatographic analysis/ EDE 10P anionite	
ABSTRACT: A method for rapid determination of Zn and Pb contents in different additives and oils containing them was developed by the VNII NP. It is cased on additives and oils containing them was developed by the VNII NP. It is cased on additives and oils containing them was developed by the VNII NP. It is cased on the ion-exchange chromatographic separation of elements on the EDE-10P anion-exchanging polymer, with subsequent titration in the presence of xylenol orange.	
The study of Zn and Ph Borption on angled that they were adsorbed by the anicalte	
treated with 3% solution of the said.	
all of lead and no zinc. Neither In nor Po were answered in the 3N acid solution were Both elements adsorbed simultaneously by the anionite in the 3N acid solution were	
Card 1/2	
	eriod

L 53614-65 ACCESSION NR: AP5011694 separated by washing with 0.5N hydrochloric acid (for Zn) and 0.03N (for Pb). metals were titrated separately with the 0.02N solution of the trilone B with the Tylenol orange until the dark red color changed to lemon-yellow. These metals were also determined in the additives to oils and oils containing barium, phosphorus and sulfur. Deviations between the analytical data obtained by this mathed and those of ASTM were within the limits of allowable error. The determination of Zn and Pb when both were present in the substances containing barium, phosphorus, end sulfur required 5 to 6 hours. The method is recommended for scientific research institutes and plant laboratories. Orig. art. has: 2 tables. ASSOCIATION: VNII NP SUB CODE: FP, GC SUBMITTED 2 OTHER: OOL NO REF SOVE

ARSEMIN, N.D.; EUDKOVSKIY, N.G.; BOLOTIN, A.A.; BONARTSEVA, N.N.;
BOGDANOVA, M.V.; GOLOVENKO, I.P.; IL'BITENKO, K.I.;
KIRPONOS, Ye.M.; KARAFETYAN, K.G.; KIRSANOVA, I.A.;
KUZNETSOV, A.L.; KORESHNIKOVA, N.F.; KORZHENEVSKAYA, T.I.;
NEMIROV, N.G.; NIKONOVA, T.K.; NAZAROV, V.N.; PISAREVA, I.A.;
POPOV, S.A.; PRONINA, N.A.; PAKHMAN, M.Ye.; REYPOLSKIY, S.N.;
ROGACHEV, Yu.N.; SOSNINA, V.D.; STARSHINOV, B.M.; KHUDYAKOV,
B.Ya.; SHELEKASOV, V.I.; PARKOV, V.P., podpolkovnik, red.;
MURAV'YEV, A.I., polkovnik, red.; CHAPAYEVA, R.I., tekhn. red.

[Relics of military glory]Relikvii boevoi slavy. Moskva, Voenizdat, 1962. 166 p. (MIRA 15:8)

SOSNINA, Ye. F.

23630.

O VYZhIVAYeMOSTI KLEShchEY ORNITHODORUS PAPILLIPES BIR. POD SHTUKATURKOY STEN MESTNYKhPOSTROYek. ZOOL. ZhURNAL, 1949, VYP. 4, c. 380-82.

是一种的大型,但是一种,这种是一种,我们就是一种,我们们们就是一种,我们就是一种,我们就是一种,我们就是一种,我们就是一种,我们就是一种,他们们们就是一种,他们 第一种,我们就是一种,我们就是一种,我们就是一种,我们就是一种,我们就是一种,我们就是一种,我们就是一种,我们就是一种,我们就是一种,我们就是一种,我们就是一种

SO: LETOPIS' NO. 31, 1949

SOSHEM, Te. F.

Sosnina, Ye. F. - "The feeding of mouse-like rodents on the southern slopes of the Gissar Range," Soo. sheh. Tadzh. filiala Akad. nauk SSSR, Issue 12, 1949, p. 32-35, Billiog: 5 items.

SO: U-3736, 21 May 53, (Letopis 'Zhurnal 'nykh Statey, No. 17, 194)).

SOSNINA, YE. F.

36645. O Razmozhenii Nekotorykh Myshevidnykh Gryzunov Yuzhnykh Sklonov Gissarskogo Khrebta. Soobshch. Tadzh. Filiala Akad. Nauk SSR, Vyp. 18, 1949. c. 44-47

SO: Letopis' Zhurnal'nykh Statey, Vol. 50, Moskva, 1949

CIA-RDP86-00513R001652530001-8" APPROVED FOR RELEASE: 08/23/2000

SOSNINA, YE. F.

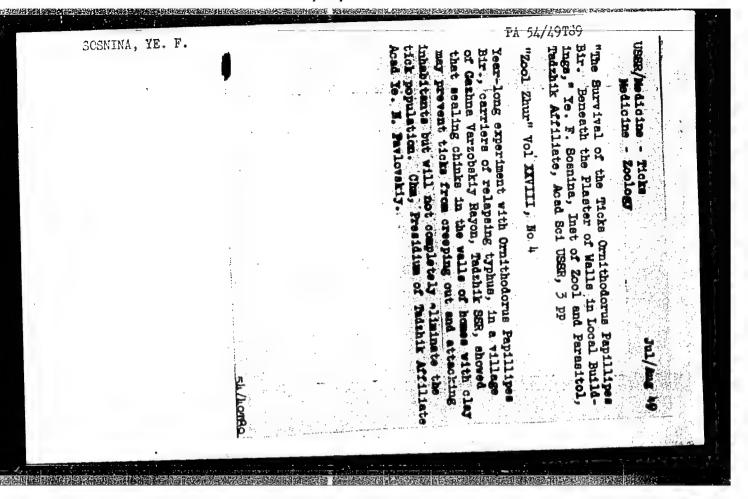
36644 K Faune Sosal'shchikov Myshevidnykh Gryzunov Tadzhikistana. Soobshch. Tadzh. Filiala Akad. Nauk SSR, Vyp. 18, 1949 c. 48-50 ---- Bibliogr: 11 Nazv.

SO: Letopis' Zhurnal'nykh Statey, Vol. 50, Moskva. 1949

SOSNINA, YE. F.

Sosnina, Ye. F. "'Soni-polchka' parasites - Glis glis casoicus Satun. -- in the Caucasian State Reservation", Uchen. zapiski (Leningr. gos. un-t im. Zhdanova), Biological sciences series, Issue 19, 1949, p. 128-444, - Bibliog: p. 144.

SO: U_4392, 19 August 53, (Letopis 'Zhurnal 'nykh Statey, No 21, 1949).



SOSNINA, Ye.F.

Parasites of the edible dormouse Glis glis caspicus Satun. in the Caucasian State Preserce. Uch.zap. Len.un. no.101:128-144.

(MERA 10:3)

l. Kafedra zoologii bespozvonovhnykh Leningradskogo gosudarstvennogo universiteta i Kavkazskiy gosudarstvennyy zapovednik. (Caucasian State Preserve-- arasites-- Dormouse)

- 1. SOSJENA, YE. F.
- 2. USSR (600)
- 4. Tajikistan Tapeworms
- 7. Tapeworm parasites of murine rodents of Tajikistan. Soob. $T^{\mathrm{FA}_{\mathrm{SI}}}$ SSSR no. 22, 1950.

9. Monthly List of Russian Accessions, Library of Congress, March 1953. Unclassified.

- 1. SOSNINA, YE. F.
- 2. USSR 600
- 4. Roundworm Tajikistan
- 7. Roundworm fauna of murine rodents of Tajikistan, Soob. TFAN SSSR, No. 23, 1950.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

- 1. SOSNINA, YE. F.
- 2. USSR 600
- L. Parasites Rodentia
- 7. S,udying red mite fauna in Tajikistan, Soob TFAN SSSP, No. 28, 1950.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

SOSNINA, E.F.

New species of a louse of the Turkestan rat from Tadzhikistan. Doklady Akad.nauk SSSR 77 no.2:365-368 11 Mar 51. (CLML 20:6)

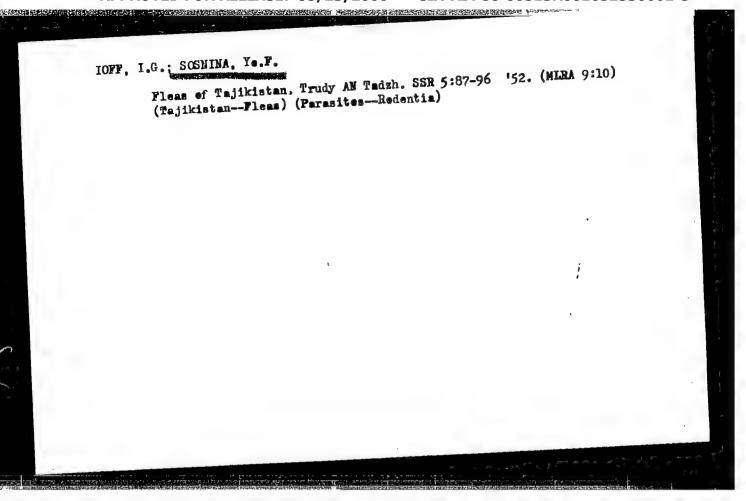
1. Institute of Zoology and Parasitology, Tadzhik Branch of the Academy of Sciences USSR. 2. Presented by Academician Ye.N.Pavlovskiy 15 January 1951.

SOSNINA, Ye.F.

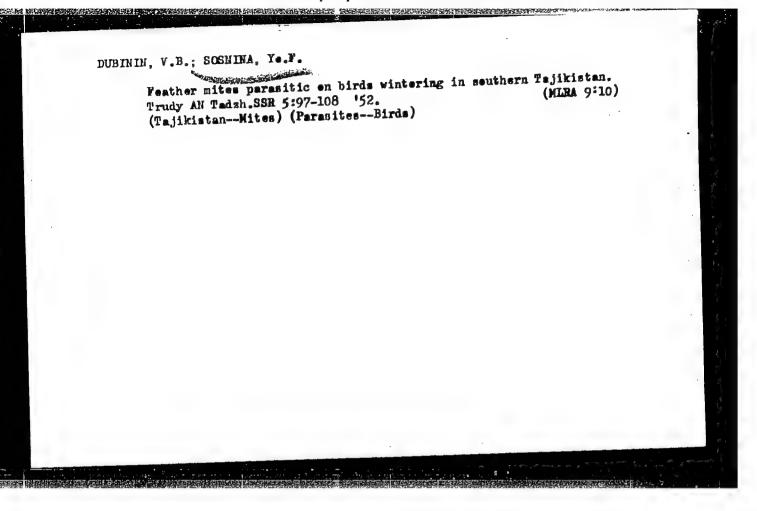
Synanthropic rodents as carriers of ixodid ticks. Dokl.AN Tadzh. SSR no.2:31-34 '52. (MIRA 9:9)

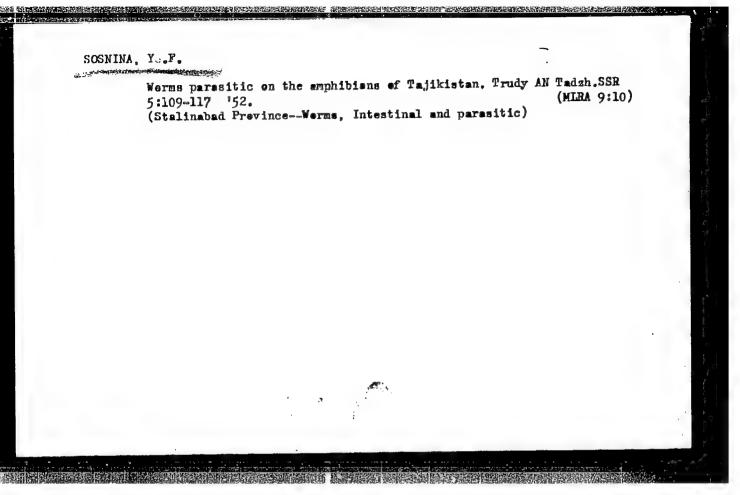
1. Institut zoologii i parazitologii AN Tadzhikskoy SSR. Predstavleno chlenom-korrespondentom AN Tadzhikskoy SSR N.F. Berezkinym.

(Tajikistan--Rodentia) (Ticks as carriers of disease)



APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001652530001-8"





SOSNINA, Ye.F.

The tick Ixodes trianguliceps Bir.in Tajikistan. Trudy AN Tadsh.

(MEA 9:12)

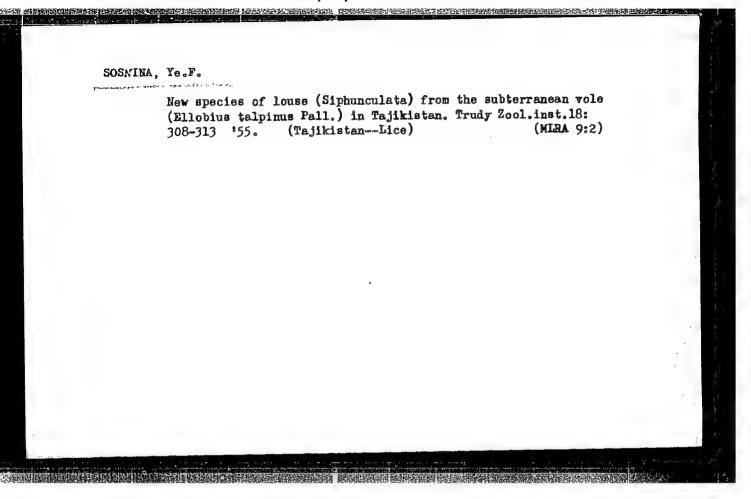
1. Institut zoologii i parazitologii imeni akademika Ye.N.Pavlov-skogo.

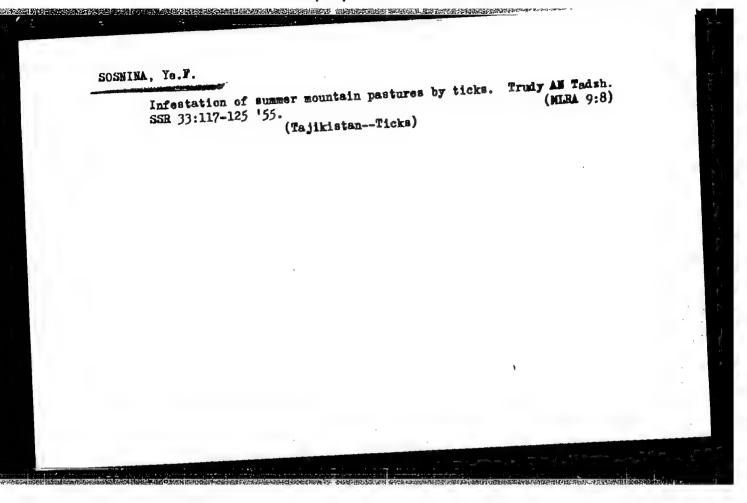
(Ziddy region-Ticks) (Parasites-Rodentia)

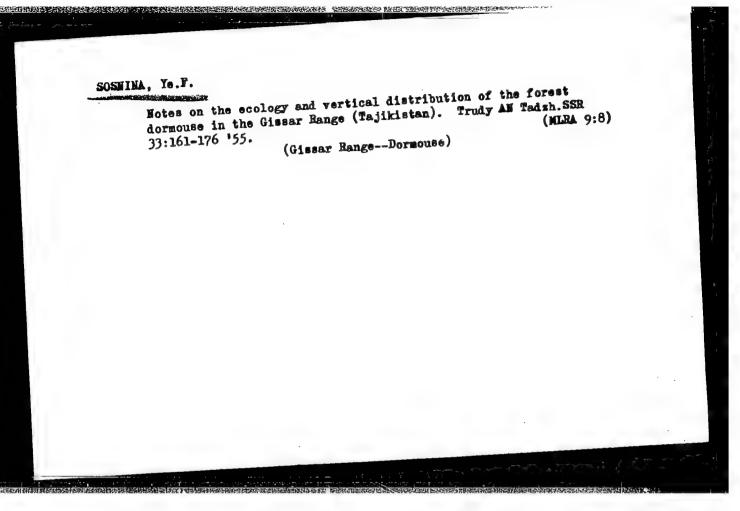
SOSNINA, Ye.F.

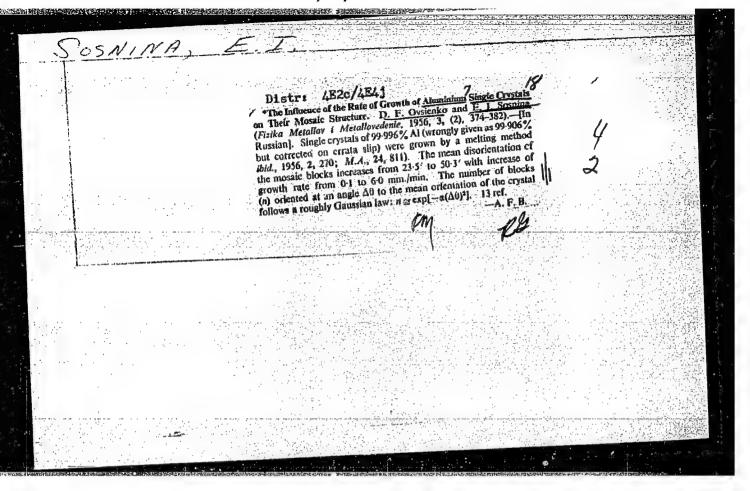
Lice of murine rodents in the Gissar Valley and on the southern slope of the Gissar Range (Tajikistan). Uch.zap. Len.un. no.172: 163-176 154. (MLRA 10:3)

1. Institut zoologii i parazitologii Akademii nauk Tadzhikskoy SS^M.
Stalingrad.
(Stalingrad Province--Lice) (Parasites--Mice)









SOSNINA, Ye.F.

The Form of small mammals inhabiting pastures and farms
in the development and distribution of tick vectors of
in the development and mammals in Tajikietan. Isv.Otd.
hemosporidiosis in farm animals in Tajikietan. Isv.Otd.
est.nauk AN Tadsh.SSR no.14:105=114 '56.

1. Institut zoologii i parazitologii imeni akademika
Ye.N. Pavlovskogo AN Tadshikskoy SSR.
(Tajikietan-Ticks as carriers of disease)
(Hemosporidia)

LOTOTSKIY, B.V.; MURATOV, Ye.A.; SOSNINA, Ye.F.; DAVYDOV, G.S.

Problem of improving natural pastures of Tajikistan. Izv,0td.
est.nauk AN Tadzh.SSR no.14:115-122 '56. (MLRA 9:10)

1. Institut zoologii i parazitologii imeni akademika
Ye.N. Pavlovskogo AN Tadzhikskoy SSR.
(Tajikistan--Pastures and meadows)

SOSNINA, Ye.F.; DAVYDOV, G.S.

Materials on lice of the subteranean vole Ellobius talpinus Pall.
in valley regions of Tajikistan. Izv.Otd.est.nauk AN Tadzh.SSR no.15:
113-119 56.
(MLRA 10:2)

1. Institut zoologii i parazitologii imeni akademika Ye.N.Pavlovskage AN Tadzhikskoy SSR. (Tajikistan--Lice) (Parasites--Field mice)

SHLUGER, Ye.G.; SOSNINA, Ye.F.

On a new species of chiggers of the genus Pseudoschongastia Lipovsky 1951 (Acariformes, Trombiculinae) [with English summary in insert] Zool.zhur.35 no.10:1459-1462 0 56. (MIRA 10:1)

1. Institut epidemiologii i mikrobiologii imeni N.F.Gamaleya Akad. med.nauk SSSR.i Zoologicheskiy institut Akademii nauk SSSR. (Gissar Range--Chiggers (Mites))

SOSNINA, Vekaterina Fedorovna: LOTOTSKIY, B.V., otv.red; DAVYDOV, G.S., otv.red.; MURATOV, Ye. A., otv.red.; BATALOVA, M.A., red.izd-va; FROLOVA, P.M., tekhn.red.

[Parasites of murine rodents in the Gissar Valley and on the southern slope of the Gissar Range (Tajikistan)] Parazity myshevidnykh gryzunov Gissarskoi doliny i iuzhnogo sklona Gissarskogo khrebta (Tadzhikistan). Stalinabad. Izd-vo AN Tadzh. SSR. 1957.165 p. (Akademiia nauk Tadzhikskoi SSR. Stalinabad. Trudy, vol. 64)

(Stalinabad--Parasites) (Varsob District--Parasites)

(Parasites-Mice)

5(3) AUTHORS:

Sosnina, I.Ye., Slovokhotova, T.A.,

SOV/55-58-5-23/34

Yudkina, T.P.

TITLE:

Synthesis of Dicyclopentylmethane (Sintez ditsiklopentilmetana)

PERIODICAL:

Vestnik Moskovskogo universiteta, Seriya matematiki, mekhaniki, astronomii, fiziki, khimii, 1958, Nr 5, pp 145 - 150 (USSR)

ABSTRACT:

Starting from chlorcyclopenthane and ethylformate the authors synthetically produced a 99.60 % pure dicyclopentylmethane (according to a method deviating from A.F. Plate and V.I. Stanko [Ref 2]). The degree of cleanliness was determined according to the method of A.G. Anikin, Ya.I. Gerasimov, G.M. Dugacheva and N.N. Kozhevnikov [Ref 7]. The spectrum was recorded. Furthermore it was stated: The dehydration of dicyclopentylcarbinol by pyrolysis of its acetate or by means of magnesium sulphate can be recommended as a method for dehydration of bicyclic alcohols.

Card 1/2

20

Synthesis of Dicyclopentylmethane

SOV/55-58-5-23/34

There are 14 references, 8 of which are Soviet, 2 American,

2 German, and 2 Roumanian.

ASSOCIATION: Kafedra organicheskogo kataliza (Chair of Organic Catalysis)

October 20, 1957 SUBMITTED:

Card 2/2

CIA-RDP86-00513R001652530001-8" APPROVED FOR RELEASE: 08/23/2000

SHLUGER, Ye.G.; SOSNINA, Ye.F.

Gahrliepia (Schoengastiella) ligula Radford, 1946 (Acariformes, Gahrliepiinae), a new chigger species found in the U.S.S.R.[with summary in English]. Zool. zhur. 37 no. 6:942-945 Je '58.

(MIRA 11:7)

1. Otdeleniye perenoschikov transmissivnykh zabolevaniy otdela parazitologii i meditsinskoy zoologii Inatituta epidemiologii i mikrobiologii Akademii meditsinskikh nauk SSSR, Moskva i Institut zoologii i parazitologii Akademii nauk Tadzhikskoy SSR.

(Vakhsh Range--Chiggers(Mites))

PAVLOVSKIY, Ye.N., akademik; SOSNINA, Ye.F.; harzikulov, M.N.

In memory of Boris Veniaminovich Lototskii (1900-1958).

Trudy AN Tadzh.SSR 89:9-14 '58. (MIRA 13:5)

1. Chlen-korrespondent AN Tadzhikskoy SSR (for Narzikulov). (Lototskii, Boris Veniaminovich, 1900-1958)

"APPROVED FOR RELEASE: 08/23/2000 CIA-R

CIA-RDP86-00513R001652530001-8

COSNINA Ye.F.

"Some Material on the Ecology of Rodent Lice in Tadzhikistan."

Tenth Conference on Parasitological Problems and Diseases with Natural Reservoirs, 22-29 October 1959, Vol. II, Publishing House of Academy of Sciences, USSR, Moscow-Leningrad, 1959.

Zoological Institute, USSR Academy of Sciences

LOTOTSKIY, V.B. [deceased]; SOSNINA, Ye.F.; TSVILENEVA, V.A.

Cases of deep burrowing of irodid ticks into the skin of rodents. Zool.zhur. 38 no.3:401-417 Mr '59. (MIRA 12:4)

1. Institute of Zoology and Parasitology, Academy of Sciences of the Tadjik S.S.R. (Stalinabad).

(Ticks) (Parasites—Rodentia)

SOSNINA, Ye.F.

Parasites of murine rodents in the Tigrovaya Balka Preserve. Trudy AN Tadzh.SSR 115:111-140 159. (MIRA 15:5)

l. Institut zoologii i parazitologii AN Tadzhikskoy SSR i Zoologicheskiy institut AN SSSR. (Tigrovaya Balka Preserve---Parasites----Rodentia)

SOSNINA, Ye.F.

Parasite fauna of the shrew Crocidura suaveolens Pallas. Zool. zhur. 40 no.4:498-502 Ap 161. (MIRA 14:3)

1. Zoological Institute of the U.S.S.R. Academy of Sciences (Leningrad). (Tajikistan—Parasites) (Parasites—Shrews)

DZHAFAROV, Sh.M.; MUSAYEV, M.A., red.; SOSNINA, Ye.F., red.

[Biting midges (Diptera, Heleidae) of Transcaucasia; morphology, biology, ecology, geographical distribution, injuriousness, control and fauna of the genera Culicoides, Leptoconops and Lasiohelea] Krovososushchie mokretsy (Diptera, Heleidae) Zakavkaz'ia; morfologiia, biologiia, ekologiia, geograficheskoe rasprostranenie, vredonosnost', mery bor'by i fauna rodov Culicoides, Leptoconops i Lasiohelea. Baku, Izd-vo AN Azerb.SSR, 1964. 413 p. (MIRA 17:5)

SOSNINA, Ye.F.; SHIUGER, Ye.G.

Materials on the fauna and ecology of chigger mite larvae parasitizing on rodents of Tajikistan. Trudy Inst. zcol. i paraz. AN Tadzh. SSR 24:184-206 163.

1. Zoologicheskiy institut AN SSSR, Institut zoologii i parazitologii imeni akademika Pavlovskogo AN Tadzhikskoy SSR i Institut epedemiologii i mikrobiologii AMN SSSR.

ACCESSION NR: AT4013929

8/2659/63/010/000/0068/0076

AUTHOR: Ovsiyenko, D. Ye.; Sosnina, Ye. I.

TITLE: Influence of the mosaic structure of monocrystals of aluminum castings on the critical shearing stress

SOURCE: AN SSSR. Institut metallurgii. Issledovaniya po zharoprochny*m splavam, v. 10, 1963, 68-76

TOPIC TAGS: aluminum casting, aluminum structure, aluminum, cast aluminum, shear, shearing stress, aluminum monocrystal

ABSTRACT: Previously, the influence of the mosaic structure on the process of creep has been investigated. The present investigation covers the dependence of the critical shearing stress in cast monocrystals of pure aluminum on the initial mosaic substructure. The results of the study showed that the critical shearing stress is increased by a factor of two when the disorientation is increased by a factor of four and the size of the lattice is decreased by a factor of 25. Furthermore, the critical shearing stress increases linearly with an increase in the angle of disorientation and decreases in proportion to the square root of the lattice dimension. From this it follows that the critical shearing stress depends not only on the density of the subgranules, but also on the angle of disorientation of the

Card 1/2

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86

CIA-RDP86-00513R001652530001-8

ACCESSION NR: AT4013929

subgrains. The character of the relationship between the critical shearing stress and the density of the dislocations, which varies between 5·106 and 5·108 cm⁻², is such that it agrees with the theoretical function derived on the assumption of an elastic interaction between the moving dislocations and the dislocations of the initial substructure. Orig. art. has: 8 formulas, 7 figures, and 1 table.

ASSOCIATION: Institut metallurgii AN SSSR (Institute of Metallurgy AN SSSR)

SUBMITTED: 00

DATE ACQ: 27Feb64

ENCL: 00

SUB CODE: MM

NO REF SOV: 010

OTHER: 012

Card 2/2

DANILOV, V.I.; SOSNINA, Ye.I.; OVSIYENKO, D.Ye.

Supercooling of homogeneous liquid solutions with limited solubility. Shor. nauch. rab. Lab. metallofis. no.5:10-14 (MIRA 8:9)

154. (Supercooling) (Solution (Chemistry))

SOSNINA, YE. I.

SOSININA, YE. I.: "Investigation of the Mosaic structure of aluminum crystals in connection with crystallization conditions." Acad Sci Ukrainian SSR. Inst of Merallophysics. Kiev, 1956 (Dissertation for the degree of Candidate in Physicomathematical Sciences)

SO: Knizhnaya Letopis', No 36, 1956, Moscow.

.SOSNINA, YE.T.

Category: USSR/Solid State Physics - Morphology of Crystals. Crystallization

Abs Jour : Ref Zhur - Fizika, No 2, 1957 No 3925

: Ovsiyenko, D.Ye., Sosnina, Ye.I. Author

: Laboratory of Metal Physics, Academy of Sciences Ukrainian SSR

: Obtaining a Monocrystal of Given Orientation from a Melt of Aluminum. Inst Title

Orig Pub : Fiz. metallov i metallovedeniye, 1956, 2, No 2, 270-276

Abstract : Description of two methods for obraining monocrystals with a given orientation from molten aluminum. One of these is based on the use of the orienting action of a seeding crystal. The seeding crystal used by the authors is the spallation plane of mica, mounted perpendicularly to the axis of a tube with liquid metal. Cylindrical monocrystals, grown in glass tubes, were oriented primarily in such a way that the [direction agreed with the direction of the specimen axis, i.e., the orientation turned out to be an attached base. The second method uses the effect of the rate of growth of crystals on their orientation. An original setup is described, with which it is possible to obtain monocrystals in vacuum in the form of plates, measuring 2 x 20 x 200-300 mm

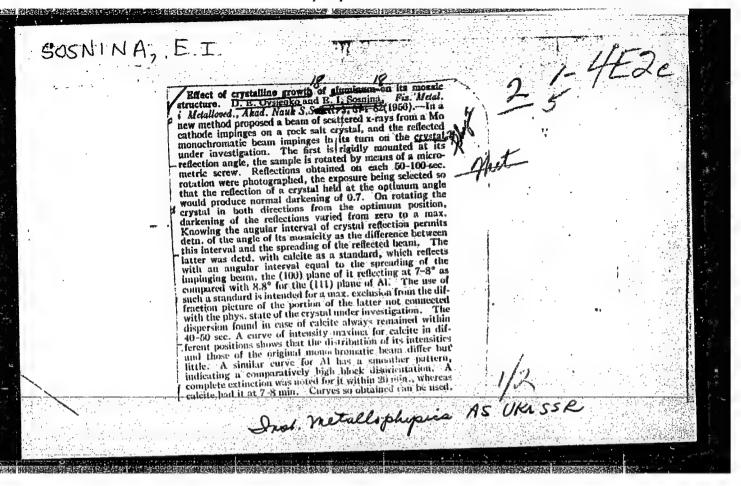
: 1/2 Card

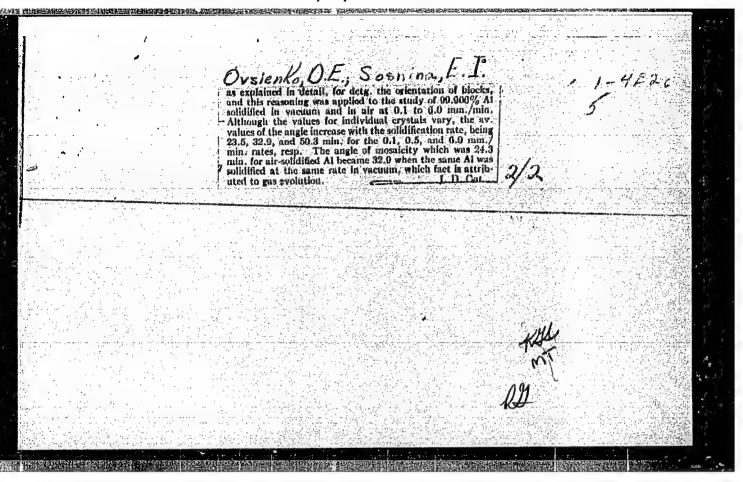
Category: USSR/Solid State Physics - Morphology of Crystals. Crystallization E-7

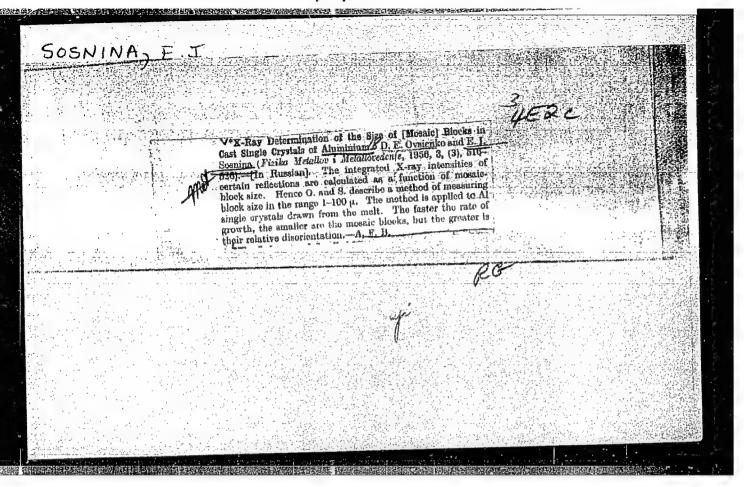
Abs Jour : Ref Zhur - Fizika, No 2, 1957 No 3926

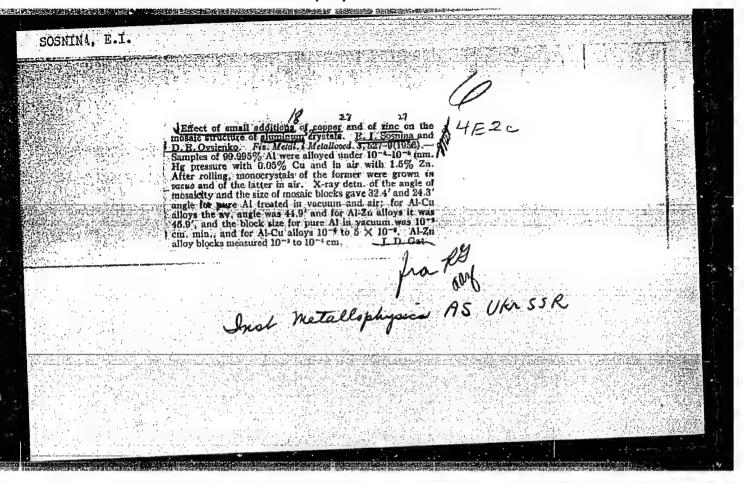
without the use of containers. At speeds of 0.5 mm/minute, the crystals are so oriented, that the cubic face turns out to be almost parallel to the surface of the specimen. Increasing the rate of growth to 2.2 mm/minute produces a most probable orientation, at which the octahedral face is practically lined up with the surface of the monocrystal.

Card : 2/2









AUTHORS: Ovsiyenko, D. Ye. and Sosnina, Ye. I. SOV/126-6-3-7/32

Investigation of the Intragranular Structure of an TITLE:

Aluminium Casting (Issledovaniye vnutrizerennoy

struktury alyuminiyevogo slitka)

PERIODICAL: Fizika Metallov i Metallovedeniye, 1958, Vol 6, Nr 3, pp 433-443 (USSR)

ABSTRACT: In earlier work (Refs 1-3) it was established that an increase in the speed of growth of crystals of cast Al leads to a decrease in the sizes of the mosaic blocks and to an increase of the degree of their deorientation; this effect is intensified if small quantities of soluble admixtures are introduced into the aluminium. During the process of solidification the conditions of crystallisation change and, consequently, the structure in the In most cases the volume of the casting is non-uniform. casting consists of three main zones of crystallisation: an external thin crust of fine crystals, a columnar zone and a central zone containing relatively coarse equiaxial crystals. The structure and the properties of the crystals of the individual zones have been insufficiently studied, According to N. Ye. Gorshkov (Ref 6) the crystals of the columnar zone have a higher Card 1/5 density than those of the central zone, they contain

SOV/126-6-3-7/32

Investigation of the Intragranular Structure of an Aluminium Casting

less gas bubbles, the composition of the admixtures is different, etc. It is to be anticipated that the mosaic structure of crystallites of the various zones will differ and this difference will affect to some extent such important properties as the strength, the ductility, etc. In this paper an attempt is made to elucidate the intragranular structure of various zones of an aluminium casting. The main method of investigation was the X-ray method. Additionally, the method of etching patterns was also used. As a starting material conmercially pure aluminium was used (99.7% aluminium, 0.13% Si, 0.14% Fe, 0.01% Cu). The aluminium casting weighing 200 g was produced by pouring the liquid metal into a cold ingot mould and allowing it to cool in the The casting was then cut in the longitudinal and the perpendicular directions, ground with emery paper and electrolytically polished and, finally, chemically etched for the purpose of detecting the macro-structure (shown in Fig 1). The process of electric polishing was Card 2/5 continued until the deformed layer, caused by the cutting,

SOV/126-6-3-7/32

Investigation of the Intragranular Structure of an Aluminium Casting

这个人,我们就是一个人的,我们就是一个人的,我们就是一个人的人的,我们就是一个人的人的人的人的人的人,我们就是一个人的人的人的人的人的人,我们就是一个人的人

had been completely removed. As a specimen a segment was used which was cut from the central part of the Then X-ray investigations of the fine structure were carried out, the aim of which was to obtain information on the dimensions of the mosaic blocks, on their mutual deorientation, on the presence of Type II stresses in crystallites of various zones and in the casting as a whole. For this purpose various X-ray methods were used by means of which the mosaic angles and the block dimensions were determined. The results are entered in Tables 1-3 and in the graph, Fig. 2. Some of the etching patterns are reproduced in Figs. 3-5. On the basis of the obtained results the following conclusions are arrived at. The grains of the aluminium casting represent complicated crystal formations consisting of fragments of the order of 10-2 cm which are apparently elements of a dendritic structure which in turn consist of mosaic blocks of the order of 10 cm. The mutual deorientation of the fragments is larger than of the blocks. The degree of imperfection of various

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Investigation of the Intragranular Structure of an Aluminium Casting

grains in the investigated zone of the casting differs appreciably and this is characterised by the larger deviation in the values of the angles of the mosaic structure and type II distortions on passing from one grain to another. The crystallites of the central zone are less perfect than the crystallites of the columnar Quantitatively this difference is characterised by the average angle of the mosaic structure which is over three times as large for the grains of the central zone than for the grains of the columnar zone. type II distortions in the crystallites of the columnar zone are apparently larger than in the crystallites of the The observed differences in the intragranular structure of various zones of aluminium castings are undoubtedly linked with the differing conditions of growth of the crystals in the various parts of the casting. Taking into consideration the data obtained in earlier work of the author (Ref 3), it can be assumed that the admixtures present in the metal play an important role Card 4/5 which, with the progress of solidification, are more and

SOV/126-6-3-7/32

Investigation of the Intragranular Structure of an Aluminium Casting

more driven into the central zone. This is apparently the basic cause of occurrence of large deorientations of the blocks of the mosaic structure of the crystallites of the central zone.

There are 5 figures, 3 tables and 9 references, all of which are Soviet.

ASSOCIATION: Institut metallofiziki AN Ukr.SSR (Institute of Metal Physics Ac.Sc. Ukrainian SSR)

SUBMITTED: December 20, 1956

Aluminum castings—Structural analysis
 Crystals—Growth
 Aluminum castings—Crystallization
 Crystals—Properties

Card 5/5

OVSIYENKO, D.Ye.; SOSNINA, Ye.I. Effect of crystallization conditions on the mosaic structure of aluminum crystals. Sbor. nauch. rab. Inst. metallofiz. AN URSR no.9:185-197 '59.

(Aluminum crystals) (Metallography)

CIA-RDP86-00513R001652530001-8" APPROVED FOR RELEASE: 08/23/2000

OVSIYENKO, D.Ye.; SOSNINA, Ye.I.

Effect of the mosaic structure in cast single crystals of aluminum on their critical breaking stress. Fiz. met. i metalloved. 14 no.2: (MIRA 15:12) 252-258 ag 162.

1. Institut metallofiziki AN UNSSR. (Aluminum crystals—Testing) (Dislocations in metals)

S/126/62/014/004/014/017 E193/E383

The effect of

in the form of a 3-mm wire, was placed in the upper part (1) of the mould shaped as a standard tensile test piece. The mould was then placed in the single-crystal-growing apparatus and, after a vacuum of 10^{-4} - 10^{-5} mm Hg had been reached, the mould was heated in such a manner as to melt the charge and the upper portion (20 - 30 mm long) of the seed crystal. The furnace was then moved upwards and the molten metal solidified as a single crystal with the orientation of the seed crystal. The degree of misalignment between the mosaic blocks was varied by varying the rate of travel of the furnace between 0.5 and 10 mm/min. After the orientation of the specimens had been checked and the block dimensions and maximum angle of misalignment determined, creep tests were carried out at 250 °C under a stress of 600 g/mm . The results were automatically recorded in the form of g/time curves, from which the usual creep curves were subsequently constructed. Typical results are reproduced in Fig. 3, where the elongation (%) is plotted against time (hrs) for specimens with the angle of misalignment between blocks equal to 50 (upper curve) and 15 (lower curve) min. The results obtained indicated that the Card 2/4

BOOK EXPLOITATION

s/

Gerteriken, S. D.; Dekhtyar, I. Ya.; Krivoglaz, M. A.; Larikov, L. N.; Ly*sak, L. I.; Nesterenko, Ye. G.; Novikov, N. N.; Sosnina, Ye. I.; Slyusar, N. F.; Tikhonov, L. V.; Trofilov, V. I.; Chuistov, K. V.

Physical bases of the strength and ductility of metals (Fizicheskiye osnovy* prochnosti i plastichnosti metallov) Moscom, Metallurgizdat, 1963. 321 p. illus., biblio. Errata slip inserted. 4250 copies printed. Editor of the publishing house: Ye. N. Borlin; Technical editor: L. V. Dobuzhinskaya; Bindery artist: Yu. M. Vashchonko

TOPIC TAGS: strength of metals, ductility, crystal lattice, dislocations, metal failure, strein hardening, solid solution, microstress, lattice defect, plastic strain, relaxation, polygonization, recrystallization, grain growth

PURPOSE AND COVERAGE: This collection of articles is intended for scientific personnel and for engineers and metals physicists; it also may be useful to students at metallurgical and machine-building vuzes. The results of study of crystal-lattice imperfections and the dislocation theory of metal failure are

Card 1/3

CIA-RDP86-00513R001652530001-8" APPROVED FOR RELEASE: 08/23/2000

17056

2. Determining the disorientation and dimensions of blocks (greater than 10-4 cm)

(Ye. I. Sosnina) - - 129

3. Determination of elastic distortions (or microstresses) and dimensions of disperse blocks (L. I. ly*sak) - - 153

4. Other methods of studying lattice defects (S. I. Certsriken, N. N. Novikov,

B. F. Siyusar) - - 171

Sec. III. Plastic strain and the failure of metals

1. Plastic strain and the failure of metals (V. I. Trefilov) - - 190

Sec. IV. Weakening of motals

1. Rolaxation, polygonization, recrystallization, and grain growth (L. N. Larikov)

SUB CODE: ML, AP

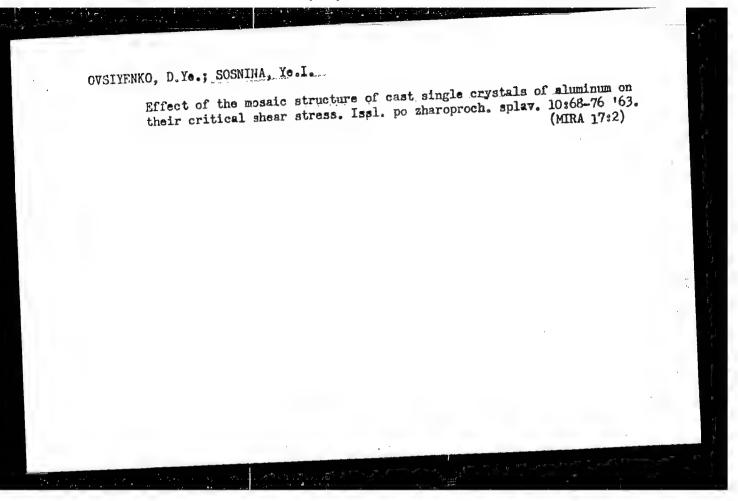
SUBMITTED: 23Aug63

NR REF SOV: 253

OTHER: 463

DATE ACQ: 17Jan64

Card 3/3



OVSIYENKO, D.Ye. [Ovsiienko, D.IU.]; SOSNINA, Ye.I. [Sosnina, K.I.]

Method for growing single crystals of a definite shape and orientation. Ukr. fiz. zhur. 8 no.1:121-124 Ja '63. (MIRA 16:5)

1. Institut metallofiziki AN UkrSSR, Kiyev. (Crystals--Growth)

OVSIYENKO, D.Ye.; SOSNINA, Ye.I.

Apparatus for studying the deformation of mild metal specimens of small sizes. Zav. lab. 30 no.1:99-100 '64. (MIRA 17:9)

l. Institut metallofiziki AN UkrSSR.

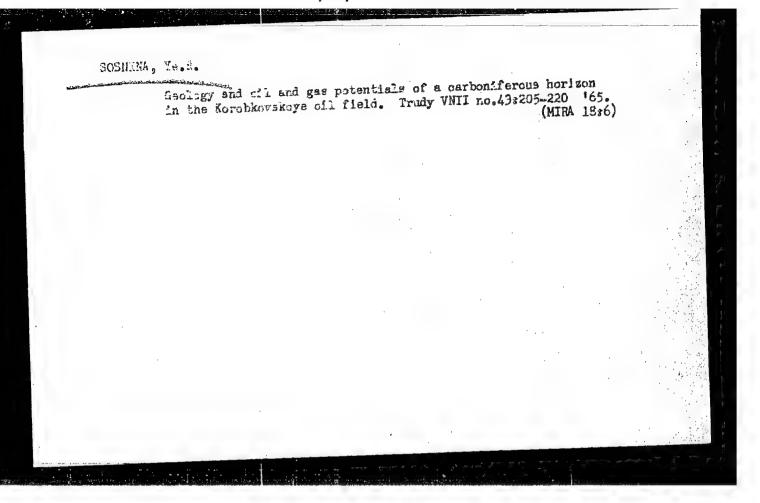
KOZLOV, A.L.: SOSNINA, Ye.S.

Increase the quality of petroleum and gas prospecting data.

Geol.neft1 2 no.3:63-67 Mr '58. (MIRA 12:6)

1. Vaesoyuznyy nauchno-issledovatel'skiy institut gazovoy promyshlennosti.

(Petroleum geology) (Gas. Natural-Geology)



SOSNINA, Ye.F.; VYSOTSKAYA, S.O.; MARKOV, G.N.; ATANASOV, L.Kh. Predatory mites of the fam. Bdellidae (Acarina, Prostigmata) from the rodent burrows of Bulgaria. Trudy Zool. inst. 35:

(MIRA 19:1) 272-287 165.

1. Zoologicheskiy institut AN SSSR, Leningrad, i Institut zoologii Bolgarskoy AN, Sofiya.

CIA-RDP86-00513R001652530001-8" APPROVED FOR RELEASE: 08/23/2000

MIKHAYLOV, A.N., kand.med.nauk; SOSMITSKAYA, A.A.

Combined use of antibiotics (biomycin or terramycin with synthomycin) in men with acute gonorrhea. Sov.med. 23 no.7:133-136 (MIRA 12:11)

1. Iz Ukrainskogo nauchno-issledovatel'skogo kozhno-venerologicheskogo instituta (dir. - dotsent B.A.Zadorozhnyy).

(CHLORAMPHENICOL therapy)

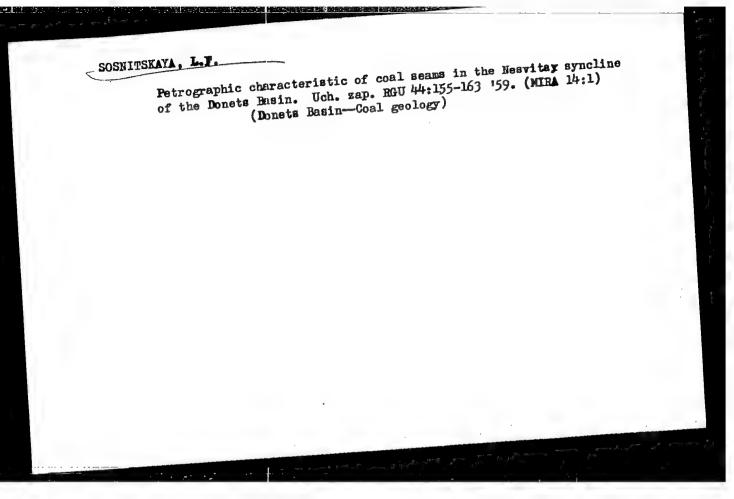
(GONORRHEA therapy)

(GONORRHEA therapy)

SOSNITSKAYA, L. F.

SOSNITSKAYA, L. F.: "The geological structure and coal content of the Nesvetayev region of the Donbass". Rostov na Donu, 1955. Rostov State U imeni V. M. Molotov. (Dissertations for the Degree of Candidate of Geological-Mineralogical Sciences.)

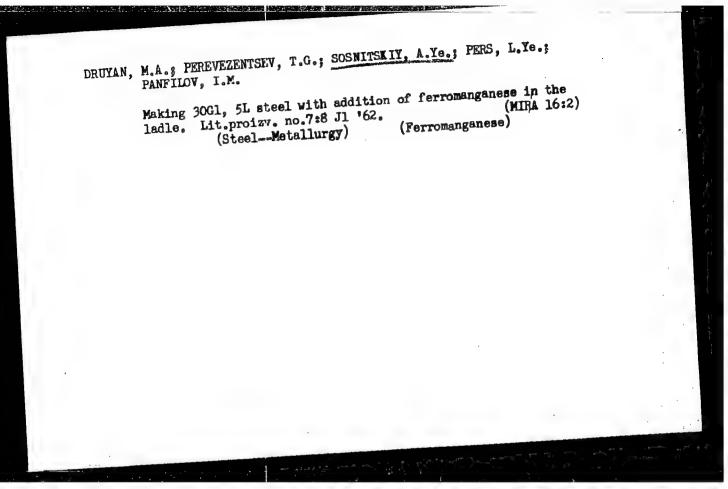
So: Knizhnaya letopis! No. 49 3 December 1955. Moscow.

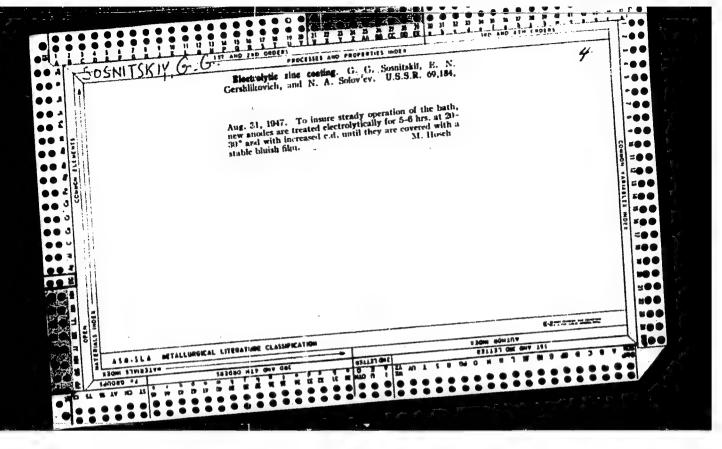


TARAN, Prisa, traktoristka; SOSNITSKAYA, Vera [Sosnyts:ka, Vira];
GAYDUK, Mikela [Haiduk, Mykola], zvenevoy; SERDYUK, Tonay, zvenevaya

Beacon lights of the glory of the Communist Youth League. Znan. (MIRA 15:4) ta pratsia no.4:6-7 Ap :62.

1. Radgosp "Kermencbik" Velikonovosil kivs kogo rayonu Donets koi oblasti (for Taran). 2. Zaviduyucha bibliotekoyu, sekretar komsomol skoi organizatsii kolgospu im. Dzerzhins kogo Tsumans kogo rayonu Volins koi oblasti (for Sosnitskaya). 3. Komsomol sko- molodizhna lanka kologospu im. XX z izdu KPRS Malodivits kogo molodizhna lanka kologospu im. XX z izdu KPRS Malodivits kogo rayonu Chernigivs koi oblasti (for Gayduk). 4. Uchnivs ka virobnichaya brigada Skorodistits koi serednici shkoli Chornobalvs kogo rayonu na Cherkashchini (for Serdyuk).





SosNiTskiy, E.G.

AID P - 1104

Subject

USSR/Electricity

Card 1/1

Pub. 78 - 15/21

Author

Sosnitskiy, G. G.

Title

Experience in design, construction and use of cathode

protection of main pipe lines

Periodical

Neft. khoz., v. 32, #10, 73-79, 0 1954

Abstract

Various methods of cathodic protection of pipe lines are discussed from the mechanical and economic viewpoints. A general method of design is proposed on the basis of evaluation of pipe-ground conductivity of existing pipe lines. Emphasis is given to feed station galvanic elements as the source of cathodic protection. Seven

tables and 9 Russian references (1948-1953).

Institution:

VNII Stroyneft (All-Union Scientific Research Institute

for Petroleum Development)

Submitted

No date

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001652530001-8"

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SOSNITSKIY, Georgiy Gervasiyevich; ALKKSAHDROVA, Galina Matveyevna; LIKHNITSKIY, M.S., Fedgi PATSALYUK, P.M., tekhn.red.

[Cosmic explorers; index of literature on artificial earth satellites] Rozvidnyky vsesvitu; pokazhchyk literatury pro shtuchni suputnyky zemli. Kyiv, M-vo kul'tury URSR, 1958.
68 p. (MIRA 12:12)

 Kiyev. Derzhavna respublikanska biblioteka URSR imeni KPRS. (Bibliography--Artificial satellites)

SOSNIVIKOV, V.A.

Introducing business accounting to main cable offices and districts. Vest. sviasi 17 no.3:14 Mr '57. (MLRA 10:4)

1. Starshiy ekonomist TSentral noy bukhgalterii Ministerstva svyazi SSSR.

(Telecommunication--Accounting)

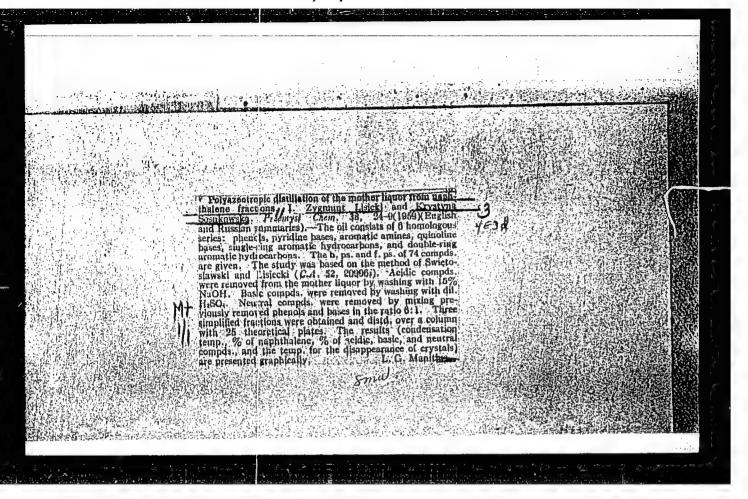
LISICKI, Z.; SOSNKOWSKA, K.

Influence of phenol concentration on the course of distillation of the basic components of coal-tar type polyazeotropic mixtures.

In English. Bul Ac Pol chim 6 no.11:675-680 '58. (ERAI 9:6)

1. Department of Physical Chemistry, Warsaw University. Institute of General Chemistry, Polish Academy of Sciences. Presented by W. Swietoslawski.

(Azeotropes) (Coal tar) (Mixtures) (Phenol)



CHOJNACKI, S.; KOPYSTYNSKI, J.; PREIBISZ, Z.; SOSNKOWSKI, R.; ZYLICZ, J.; YUTLANDOV, I.

Note on positron radiation from Pr¹⁴⁰. Acta physica Pol 20 no.12: 1021-1023 '61.

l. Institute for Experimental Physics, Polish Academy of Sciences, Warsaw, (for Chojnacki and Kopystynski). 2. Institute for Nuclear Research, Polish Academy of Sciences, Warsaw, (for Preibisz, Sosnkowski and Zylicz). 3. Joint Institute for Nuclear Research, Dubna, USSR, (for Yutlandov).

(Isotopes)

SOSNKOWSKA-KEHIAIAN, Krystyna

2-picoline hydrochloride as an azeotropic agent in oil distillation after the removal of naphthalene. Przem chem 41 no.12:712-714 D '62.

1. Instytut Chemii Fizycznej, Polska Akademia Nauk, Warszawa.

KEHIATAN, H.: SOBNKOWSKA-KEHIATAN, K.

Inermodynamics of chemically reacting mixtures. Pts.10-11.

Bul shim FAN 12 no.6:425-439 164.

1. Institute of Physical Chemistry of the Polish Academy of Sciences, Warsaw. Submitted April 17, 1964.

SOSNOV, A., polkovnik

Various forms of transition to the socialist revolution. Komm. Vooruzh. Sil 4 no.16:64-71 Ag 164.

(MIRA 17:10)

BARANOVA, N.M. ASS, Yu.B.; BOGDANOVICH, V.V.; VIL'GOS, Ye.F.; CRAZHDANTSEV, I.I.; GRYAZNOV, V.I.; GUTOROVA, Ye.D.; KABRIZON, V.M.; MOLYAVKO, G.I.; MOROKHOVSKAYA, M.S.; NOSOVSKIY, M.F.; ROMODANOVA, M.P.; SOSNOV. A.A.; SHEVCHENKO, Ye.S.; USENKO, I.S.; Prinimali uchastiye: BONDAR', A.G., inzh.-gidrogeolog; SACHENKO-SAKUN, V.M., st. topograf; SHELUKHINA, A.V., st. tekhnik-geolog; STOPIK, M.A., st. tekhnik-geolog; REUTOVSKAYA, E.A., tekhnik; BETEKHTIN, A.G., akademik, glav. red.[deceased]

[Nikopol' manganese-ore basin] Nikopol'skii margantsevorudnyi bassein. Moskva, Izd-vo "Nedra," 1964. 534 p. (MIRA 17:6)

Institut geologicheskikh nauk AN Ukr.SSR (for Baranova, Molyavko, Romodanova, Usenko). 2. Nauchno-issledovatel'skiy institut geologii Dnepropetrovskogo gosudarstvemogo universiteta (for Gryaznov, Nosovskiy). 3. Trest "Dneprogeologiya" (for Bogdanovich, Kabrizon). 4. Trest "Kiyevraologiya" (for Bass). 5. Trest "Nikopol'-Marganets" (for Vil'gos, Grazhdantsev, Sosnov).

SOSNOV, A.M.

The construction fo wire broadcasting systems in settlements has been completed. Vest. swiazi 22 no.10:21-22 0 '62. (MIRA 15:11)

1. Glavnyy inzh. Sumskogo oblastnogo upravleniya svyazi. (Wire broadcasting)

SOSNOV, A. V. and UGRYUMOVA, M. A.

"The Production of Peizoelectric Ceramic Elements by Means of Casting Under Heat and Pressure."

paper presented at the 4th All-Union Conf. on Accustics, Moscow, 26 May - @ Jun 58.

SOSNOV, A.V.

3*5*

PHASE I BOOK EXPLOITATION

POL/5981

Symposium on Electroacoustic Transducers. Krynica, 1958

Proceedings of the Symposium on Electroacoustic Transducers [held in] Krynica, 17-26 September, 1958. Warsaw, Panstwowe Wydawnictwo Naukowe, 1961. 442 p. Errata slip inserted. 630 copies printed.

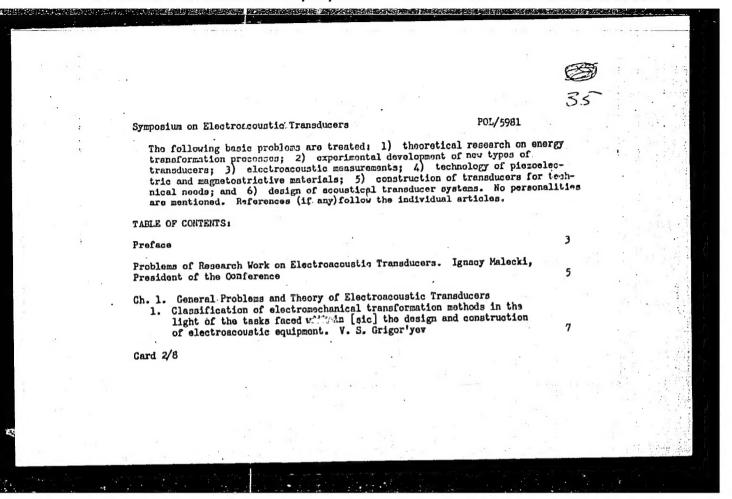
Sponsoring Agency: Polish Academy of Sciences. Institute of Basic Technical Problems.

Ed. in Chief: Janusz Kacprowski, Doctor of Sciences; Editing Committee: Ignacy Malecki, Professor, Doctor of Sciences; Wincenty Pajewski, Doctor; and Jerzy Wehr, Master of Sciences; Socretary: Juliusz Mierzejewski.

PURPOSE: This book is intended for physicists and acoustical engineers.

COVERAGE: The book is a collection of detailed research papers constituting the proceedings of a conference held in Krynica from 17 to 26 September 1958 under the auspices of the Institute of Technical Problems, Polish Academy of Sciences.

Card 1/8



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posi	um on Electroacoustic Transducers POL/5981		
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Monthly List of Russian Accessions, Library of Congress May 1952. UNCLASSIFIED.